

Appendix table 3-21

## Employed S&amp;E highest degree holders, by degree level and age category: 2008

(Percent)

Highest degree field	All degree levels			Bachelor's			Master's			Doctorate		
	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50
All S&E degrees	16.8	54.3	28.9	19.9	54.3	25.8	10.8	55.2	34.0	3.0	53.1	44.0
Computer and mathematical sciences	15.2	63.1	21.7	18.0	63.6	18.4	9.0	62.4	28.6	4.9	58.0	37.1
Computer and information sciences	16.5	68.5	15.0	19.7	69.6	10.7	9.4	65.6	25.0	5.5	69.0	25.5
Computer and information sciences	11.2	70.5	18.4	14.0	74.0	11.9	7.1	62.1	30.8	2.7	70.4	26.8
Computer science	17.5	68.5	14.0	20.0	68.3	11.7	11.4	69.1	19.5	18.0	68.5	13.5
Computer systems analysis	9.6	63.0	27.4	14.1	75.2	10.7	S	S	S	S	S	S
Information services and systems	16.0	70.4	13.6	19.3	72.6	8.2	7.2	64.9	27.9	S	S	S
Other computer and information sciences	26.7	60.7	12.6	34.7	60.2	5.1	7.1	61.3	31.6	S	S	S
Mathematics and statistics	12.1	50.3	37.6	14.1	49.7	36.2	8.0	52.2	39.8	4.5	51.0	44.5
Applied mathematics	5.9	57.3	36.8	5.8	60.2	34.0	8.0	47.2	44.8	2.0	56.0	42.0
Mathematics, general	15.4	44.1	40.5	16.6	43.5	39.8	9.8	45.2	45.0	6.2	62.9	30.9
Operations research	10.2	62.4	27.5	17.9	81.1	S	5.3	51.6	43.1	S	49.5	43.9
Statistics	7.7	65.0	27.3	7.2	65.8	27.0	8.1	68.7	23.1	8.1	52.2	39.7
Other mathematics	8.9	52.4	38.7	18.8	57.9	23.3	S	60.8	37.4	3.0	43.8	53.3
Biological, agricultural, and environmental life sciences	16.6	53.7	29.7	20.4	52.7	26.9	9.9	56.6	33.5	2.2	56.3	41.5
Agricultural and food sciences	11.7	52.9	35.4	13.2	52.7	34.1	8.0	60.0	32.0	0.8	43.5	55.7
Animal sciences	16.1	56.4	27.5	16.0	56.8	27.2	40.2	49.7	S	S	51.1	47.7
Food sciences and technology	11.8	42.8	45.4	15.5	35.9	48.6	S	59.0	36.3	S	54.8	44.0
Plant sciences	8.7	50.6	40.7	10.1	49.5	40.4	7.4	64.1	28.5	S	40.4	58.9
Other agricultural sciences	6.5	54.9	38.6	8.4	55.9	35.7	S	59.1	39.7	S	32.7	67.3
Biological sciences	18.0	53.4	28.6	23.1	52.0	24.9	10.3	55.2	34.6	2.4	57.9	39.7
Biochemistry and biophysics	18.7	56.7	24.6	28.9	56.6	14.5	21.5	60.1	18.4	2.7	56.1	41.2
Biology, general	23.0	51.4	25.6	24.3	50.9	24.8	9.0	59.7	31.3	2.1	48.1	49.9
Botany	8.6	37.6	53.8	S	38.1	49.7	S	25.7	68.0	S	44.4	54.9
Cell and molecular biology	21.8	63.1	15.1	48.2	48.2	S	7.2	72.7	20.1	1.0	74.4	24.6
Ecology	13.6	56.9	29.5	23.4	51.7	24.9	5.7	62.4	31.9	S	60.2	38.8
Genetics, animal and plant	14.8	59.7	25.5	S	60.1	S	20.4	71.4	S	4.8	54.3	40.8
Microbiological sciences and immunology	9.1	57.5	33.3	11.5	61.7	26.8	4.8	39.7	55.4	5.2	58.9	35.9
Nutritional sciences	15.4	58.9	25.8	23.7	57.7	18.6	3.2	62.6	34.2	S	53.5	44.7
Pharmacology, human and animal	5.9	50.7	43.4	S	46.2	50.3	13.8	40.2	46.0	3.2	58.4	38.4
Physiology and pathology, human and animal	14.7	60.9	24.4	24.9	67.8	S	8.5	65.0	26.5	3.8	48.7	47.6
Zoology, general	11.8	41.0	47.3	15.3	45.7	39.1	9.8	35.0	55.2	S	28.3	71.7
Other biological sciences	12.6	54.2	33.2	16.5	48.7	34.7	20.3	48.9	30.7	1.7	65.9	32.4
Environmental life sciences	14.6	57.1	28.3	16.5	56.7	26.8	9.6	60.0	30.3	1.7	50.5	47.8
Environmental science or studies	20.7	63.7	15.7	23.3	63.6	13.2	13.5	65.9	20.6	S	50.6	47.7
Forestry sciences	4.6	46.4	49.0	5.3	45.5	49.2	S	49.1	48.4	S	50.3	48.0
Physical sciences	11.8	50.3	37.9	15.8	50.0	34.2	9.0	49.0	41.9	3.0	52.4	44.6
Chemistry, except biochemistry	12.6	52.7	34.7	16.8	52.1	31.0	8.6	54.9	36.4	3.3	52.9	43.8
Earth, atmospheric and ocean sciences	9.4	48.9	41.7	11.7	49.6	38.7	7.5	47.7	44.8	2.1	48.4	49.5
Atmospheric sciences and meteorology	17.5	60.7	21.8	22.4	60.5	17.0	17.0	61.0	21.9	S	60.7	38.1
Earth sciences	13.5	35.2	51.3	16.3	38.2	45.5	5.0	26.2	68.9	S	S	S

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(Percent)

Highest degree field	All degree levels			Bachelor's			Master's			Doctorate		
	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50
Geology	6.9	49.2	43.9	8.3	50.1	41.6	4.7	47.7	47.7	1.3	46.8	51.9
Geological sciences, other	8.7	49.9	41.4	14.1	52.9	32.9	8.0	51.6	40.4	3.9	44.6	51.4
Oceanography	10.7	41.2	48.1	19.1	41.9	39.0	S	34.0	56.2	S	47.5	52.2
Physics and astronomy	13.0	48.4	38.5	20.7	47.0	32.4	11.9	45.4	42.7	3.0	52.7	44.4
Astronomy and astrophysics	18.9	40.3	40.8	54.3	33.5	S	24.1	18.7	S	5.5	55.6	38.9
Physics	12.6	49.0	38.4	20.0	47.2	32.8	10.6	48.1	41.3	2.7	52.3	45.0
Other physical sciences	11.2	44.7	44.1	12.3	44.5	43.2	9.0	36.2	54.8	S	64.1	35.9
Social sciences	20.9	48.7	30.4	24.6	49.3	26.0	11.0	47.6	41.4	1.9	44.7	53.4
Economics	18.3	52.2	29.5	20.0	53.9	26.1	10.3	41.4	48.4	3.3	45.2	51.5
Agricultural economics	5.1	58.3	36.7	4.8	61.9	33.3	8.7	33.1	58.2	S	42.5	56.3
Economics	20.7	51.1	28.2	22.8	52.4	24.8	10.5	42.8	46.7	3.6	45.6	50.8
Political and related sciences	23.5	53.7	22.8	26.9	52.0	21.1	11.5	62.6	25.9	0.9	49.3	49.7
Public policy studies	15.3	63.1	21.6	42.9	48.8	8.2	9.6	67.3	23.1	S	53.9	46.1
International relations	29.9	60.3	9.8	38.7	51.5	9.8	13.9	78.8	7.3	S	53.7	45.3
Political science and government	22.9	51.6	25.5	24.9	52.1	23.0	11.1	47.7	41.2	1.1	47.9	51.0
Psychology	21.1	45.3	33.6	28.2	46.7	25.2	11.0	43.3	45.7	1.6	44.7	53.7
Educational psychology	5.6	41.7	52.7	S	44.4	54.1	7.3	40.1	52.5	2.9	47.7	49.4
Clinical psychology	8.4	45.0	46.6	10.0	57.5	32.4	15.8	37.3	46.9	2.0	45.4	52.6
Counseling psychology	7.0	46.0	47.0	9.2	57.7	33.1	7.1	43.8	49.2	S	43.4	56.2
Experimental psychology	11.8	43.3	44.9	17.1	43.5	39.4	S	58.4	37.8	S	32.8	66.2
General psychology	32.4	44.0	23.6	33.7	44.3	22.1	19.1	43.2	37.7	S	37.2	62.8
Industrial/organizational psychology	16.4	49.4	34.3	19.0	50.5	30.5	16.9	47.8	35.3	6.4	64.6	29.0
Social psychology	15.5	51.8	32.8	20.5	53.6	25.8	S	43.6	48.0	S	49.7	48.7
Other psychology	13.8	51.9	34.3	13.9	56.3	29.7	22.0	49.5	28.5	1.4	44.5	54.1
Sociology and anthropology	19.4	47.5	33.1	20.7	47.3	32.0	12.5	52.6	34.9	1.4	42.1	56.5
Anthropology and archaeology	26.8	46.7	26.6	32.6	46.1	21.4	12.2	53.0	34.8	S	40.6	59.2
Criminology	23.2	64.8	12.0	25.0	66.3	8.7	11.9	54.0	34.1	S	57.8	42.2
Sociology	17.3	45.6	37.1	18.0	45.3	36.6	12.7	52.0	35.2	2.2	42.1	55.7
Other social sciences	22.2	48.8	29.0	26.1	49.6	24.3	10.1	46.8	43.1	3.5	42.2	54.4
Area and ethnic studies	38.9	39.4	21.7	45.7	36.6	17.6	15.0	48.8	36.2	S	56.5	42.8
Linguistics	18.5	49.5	32.0	29.5	46.0	24.5	6.0	61.4	32.6	S	40.7	57.4
Philosophy of science	S	61.8	36.0	S	69.8	30.2	S	S	S	S	S	S
Geography	17.5	58.4	24.1	20.0	61.3	18.8	9.5	47.8	42.7	S	46.2	51.3
History of science	S	21.8	76.7	S	S	79.8	S	S	S	S	63.3	36.7
Other social sciences	20.4	49.2	30.3	23.8	50.6	25.5	9.7	45.2	45.1	S	39.5	60.5
Engineering	12.9	58.9	28.2	13.6	58.6	27.8	12.6	59.7	27.6	4.8	58.5	36.7
Aerospace, aeronautical, and astronautical engineering	14.5	55.6	29.9	15.2	54.1	30.6	16.0	59.0	25.0	4.2	57.4	38.4
Agricultural engineering	8.3	49.5	42.2	9.3	49.1	41.6	S	53.0	39.7	S	48.4	51.6
Bioengineering and biomedical engineering	38.8	48.9	12.3	62.8	35.3	S	27.2	54.5	18.3	10.9	66.7	22.4
Chemical engineering	13.5	55.4	31.1	15.3	57.6	27.2	8.8	46.9	44.3	8.1	53.7	38.2
Civil and architectural engineering	11.4	55.3	33.3	12.0	56.0	32.1	10.7	53.4	35.9	2.5	53.7	43.8

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(Percent)

Highest degree field	All degree levels			Bachelor's			Master's			Doctorate		
	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50	<30	30–50	>50
Architectural engineering	7.4	62.9	29.6	7.5	69.6	22.9	7.3	40.2	52.5	S	S	S
Civil engineering	11.8	54.5	33.7	12.5	54.5	33.1	11.0	54.7	34.2	2.5	53.7	43.8
Electrical and computer engineering	12.8	64.0	23.2	13.1	64.0	22.9	13.7	64.2	22.1	4.5	62.9	32.6
Computer and systems engineering	16.8	69.9	13.3	21.4	71.1	7.5	10.8	68.4	20.8	6.1	64.1	29.8
Electrical, electronics, and communications engineering	11.7	62.3	25.9	11.2	62.3	26.5	14.9	62.4	22.7	4.2	62.7	33.1
Engineering sciences, mechanics, and physics	11.8	53.1	35.1	14.7	55.4	29.9	10.2	49.8	40.0	S	49.4	49.0
Environmental engineering	8.9	54.3	36.8	12.7	58.7	28.6	6.9	50.8	42.3	S	58.7	39.5
Engineering, general	13.2	44.4	42.4	13.8	35.3	50.9	12.2	69.6	18.2	S	49.7	49.2
Geophysical and geological engineering	11.9	49.0	39.1	S	41.4	33.8	S	58.5	41.1	S	S	S
Industrial engineering	12.1	64.6	23.3	11.8	64.9	23.4	14.4	63.9	21.7	2.8	63.2	34.1
Materials engineering, including ceramics and textiles	13.7	61.4	24.9	21.0	52.0	26.9	10.2	70.1	19.7	4.7	68.6	26.8
Mechanical engineering	13.7	57.2	29.1	14.1	56.1	29.8	13.5	61.2	25.3	5.2	61.1	33.7
Metallurgical engineering	2.4	49.0	48.5	3.6	49.6	46.8	S	54.2	45.8	S	41.7	58.3
Mining and minerals engineering	S	55.1	42.0	S	55.4	41.1	S	59.8	S	S	27.6	72.4
Naval architecture and marine engineering	5.8	58.7	35.5	S	58.8	37.2	17.6	58.0	S	S	S	S
Nuclear engineering	11.2	50.4	38.4	15.6	57.4	27.0	11.1	47.3	41.6	S	43.2	53.8
Petroleum engineering	10.0	62.5	27.5	9.1	66.3	24.6	14.3	45.7	40.1	S	67.9	S
Other engineering	12.2	58.7	29.1	14.8	60.9	24.3	10.6	59.2	30.1	S	40.5	54.5

S = suppressed for reasons of confidentiality and/or reliability

NOTES: Total includes professional degrees not broken out separately. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2008), <http://sestat.nsf.gov>.*Science and Engineering Indicators 2012*